

STATINTL

Approved For Release 2001/05/11 : CIA-RDP78B04747A00180002000

active

4 April 1960

MEMORANDUM FOR: Chief, TISD

*WTC
4 Apr 60*

SUBJECT: Test Report of Giant

STATINTL

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1. On 28 February 1960, at [REDACTED]
[REDACTED] an acceptance test was performed
on the "Giant" projection comparator. The test included the
following:

- a. Automatic tracking of interface
- b. Resolution
- c. Measurements on calibrated grid

(1) Automatic tracking of interface
performed well within contract requirements.

(2) Attempts to measure Minicard
resolution charts were unsuccessful because
of extreme Minicard reduction. Reading on
Air Force resolution target evolved 44 l/mm
plus.

(3) Measurements on calibrated
scale produced surprising accuracy. Random
measurements by different personnel produced
values that compared with the calibrated value
to within four to ten microns. The lines in the
calibrated scale (approximately seven microns
wide) when projected on the screen were clearly
defined. Repeated readings for refinement of
values were not attempted but it is felt that
linear accuracy resulting from repeated readings
could be held to within four microns.

Declass Review by NIMA / DoD

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2. It is my personal opinion that [REDACTED] STATINTL
has not only produced an instrument of remarkable accuracy,
but also an instrument of excellent design, both esthetically
and functionally.

[REDACTED] STATINTL

Chief, TIB/TISD

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PIC/TISD/TIB/[REDACTED]gm(2845) - 4 Apr 60